

second sending device for sending the communication signal, said computer side input transmission circuit having a second receiving device for receiving the communication signal sent from the second sending device, a second restoring device for restoring the received communication signal to a signal corresponding to the signal transmitted from the input interface, and a second buffer memory for storing as input data the signal from the second restoring device, said input data stored in the buffer memory being read by the computer through the bus line.

6.(twice amended) A body mounting display system according to claim 5, further comprising: an output device different from the display device and worn by the user, and an output interface for connecting the output device to the body side output transmission circuit, said computer outputting a signal corresponding to an output content of the output device through the bus line, said output interface producing a signal for actuating the output device based on the signal corresponding to the output content among signals restored by the body side output transmission circuit.

9.(amended) A body mounting display system according to claim 1, wherein said computer transmits a plurality of different kinds of signals, said signals being transferred to the body side output transmission circuit without processing and being processed to obtain each kind of signals at the user side.

10.(amended) A body mounting display system according to claim 4, wherein said computer transmits a plurality of different kinds of signals, said signals being transferred to the body side output transmission circuit without processing and being processed to obtain each kind of signals at the user side.

#### REMARKS

In paragraph 2 of the final Action, claims 9 and 10 were rejected under 35 U.S.C. 112, first paragraph. In view of the rejection, claims 9 and 10 have been amended.

In paragraph 4 of the final Action, claim 1 was rejected under 35 U.S.C. 102(e) as being anticipated by Yasukawa et al. In paragraph 6 of the final Action, claims 2-4 were rejected under 35 U.S.C. 103(a) as being unpatentable over Yasukawa et al. However, claims 1-4 are patentable over Yasukawa et al.

In reviewing the claims, the first bus line, i.e. bus line 19', formed at the user side is considered not to be included in independent claims as an essential subject. Therefore, the first bus line added in the previous amendment has been deleted, and the second bus line at the computer side has been amended as "bus line", as recited in the original claims. The amendment does not introduce new issue.

A body mounting display system in claim 1, therefore, comprises a display device to be worn by a user and having at least one interface, a computer situated away from the display device and having a bus line for outputting signals corresponding to at least display data, and a radio transmission device disposed between the display device and the computer. The radio transmission device includes a computer side output transmission circuit connected to the computer through the bus line, and a body side output transmission circuit connected to the display device through the at least one interface. The signals at the computer passing through the bus line are transmitted to the display device by wireless as they are, and are processed at a user side to be displayed at the display device through the at least one interface.

Namely, in the invention, all the signals in the computer before interfaces for the outer devices, such as display element, speaker and so on, are transferred wirelessly to the body side output transmission circuit, and the transferred signals are processed and selected by the proper interfaces and are used for display and so on. Since the signals from the buss line at the computer are transferred without passing through the interfaces at the computer side, memories and small CPU at the computer side can be saved. Also, connections for the respective signals for different purposes from the computer side to the body side can be simplified.

Claim 4 contains other parts in addition to the structure as

recited in claim 1.

In Yasukawa et al., a head mounted image display device 2 is connected to an outside computer 3. As shown in Figs. 2 and 4, the head mounted image display device 2 includes a drive circuit 105 having a CPU 132, image memory 134 and image storage device 133. An LCD 102, an angle sensor 107 and a photosensor 109 at the image display device are connected to the drive circuit 105. In the embodiment as shown in Figs. 46 and 47, an arithmetic unit 81 having an operation section 97 and a transmission circuit 99 is separated from the display device 2 having the drive circuit 105 and transmission circuit 203. In this respect, it is held on column 25, lines 16-19 that a signal supplied to the transmission circuit 99 is modulated in the circuit 99, then transmitted and received via antennas 201, 202, and demodulated in a receive circuit 203.

In the invention, the radio transmission device includes the computer side output transmission circuit connected to the computer through the bus line of the computer, and the body side output transmission circuit connected to the display device through the at least one interface. In Yasukawa et al., the arithmetic unit 81 with the transmission circuit 99, and the display device 2 with the transmission circuit 203 are connected wirelessly. However, the location of the interface for the signal is not disclosed or suggested in Yasukawa et al. In the invention, the interface must be located at the body side, not the computer side.

In the invention, the signals at the computer passing through the bus line are transmitted to the display device by wireless as they are, and are processed at a user side to be displayed at the display device through the at least one interface. In Yasukawa et al., the signal supplied to the transmission circuit 99 is modulated in the transmission circuit 99, and is demodulated in the receive circuit 203. Therefore, it is not disclosed or suggested that the signals from the bus line at the computer are transmitted to the display device and are processed at the user side through the interface.

Namely, in the invention, all kinds of signals in the computer are transferred to the display device as they are without passing through the interface, and in the display device, all kinds of signals

transferred from the computer are processed and separated into the respective signals through the interface. In Yasukawa et al., the signals passing through the bus line are separated through the interface in the computer 3, which are transferred to the drive circuit 105 at the user. Thus, the position of sending the signals in the invention is different from that of Yasukawa et al. Accordingly, the wiring is simplified in the invention. Also, in the invention, the memory and other parts may be deleted or simplified. The system in Yasukawa et al. is different from that of the invention.

In the final Action, it was held that Yasukawa teaches that a display device to be worn by a user has at least one interface, and the signals at the computer passing through the second bus line are transmitted as they are and are processed at a user side through the interface. However, such structure is not disclosed or suggested. Namely, the position of sending the signals of the invention is not disclosed or suggested in Yasukawa et al. The invention is patentable over the cited reference.

Reconsideration and allowance are earnestly solicited.

A one month extension of time is hereby requested. A check in the amount of \$110.00 is attached herewith for the one month extension of time.

Respectfully submitted,  
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1.(twice amended) A body mounting display system, comprising:  
a display device to be worn by a user and having at least one interface [and a first bus line connected to the at least one interface];

a computer situated away from the display device and having a [second] bus line for outputting signals corresponding to at least display data; and

a radio transmission device disposed between the display device and the computer, and including a computer side output transmission circuit connected to the computer through the [second] bus line, and a body side output transmission circuit connected to the display device through [the first bus line and] the at least one interface so that the signals at the computer passing through the [second] bus line are transmitted to [the first bus line at] the display device by wireless as they are, and are processed at a user side to be displayed at the display device through the at least one interface.

4.(twice amended) A body mounting display system, comprising:

a display device to be worn by a user,  
an image output interface connected to the display device,  
[a first bus line connected to the image output interface,]

a computer located away from the display device for outputting a signal corresponding to display data for the display device and having a [second] bus line; and

a signal transmission device disposed between the display device and the computer, and including a computer side output transmission circuit connected to the computer through the [second] bus line and a body side output transmission circuit connected to the display device through the [first bus line and the] image output interface, said computer side output transmission circuit having a first buffer memory to which data corresponding to the signal outputted through the [second] bus line is written by the computer, a first reading device for reading the data stored in the first buffer memory and converting the data to a communication signal and a first sending device for sending the communication signal, said body side output transmission circuit including a first receiving device for receiving the communication signal sent from the first sending device as it is and a first restoring device for restoring the received communication signal to a signal corresponding to the signal outputted through the [second] bus line, said image output interface processing and producing a signal at a user side for actuating the display device based on the communication signal.

5.(twice amended) A body mounting display system according to claim 4, further comprising:

an input device held by the user, and

an input interface connected to the input device, an input signal produced by the input device being converted to a signal transmissible by the [second] bus line of the computer through the input interface,

wherein said signal transmission device includes a computer side input transmission circuit connected to the [second] bus line of the computer, and a body side input transmission circuit connected to the

input device through the input interface, said body side input transmission circuit having a second converting device for converting a signal transmitted from the input interface to a communication signal and a second sending device for sending the communication signal, said computer side input transmission circuit having a second receiving device for receiving the communication signal sent from the second sending device, a second restoring device for restoring the received communication signal to a signal corresponding to the signal transmitted from the input interface, and a second buffer memory for storing as input data the signal from the second restoring device, said input data stored in the buffer memory being read by the computer through the [second] bus line.

6.(twice amended) A body mounting display system according to claim 5, further comprising: an output device different from the display device and worn by the user, and an output interface for connecting the output device to the body side output transmission circuit, said computer outputting a signal corresponding to an output content of the output device through the [second] bus line, said output interface producing a signal for actuating the output device based on the signal corresponding to the output content among signals restored by the body side output transmission circuit.

9.(amended) A body mounting display system according to claim 1, wherein said computer [receives] transmits a plurality of different kinds of signals, said signals being transferred to the body side output transmission circuit without processing and being processed to obtain each kind of signals at the user side.

10.(amended) A body mounting display system according to claim 4, wherein said computer [receives] transmits a plurality of different kinds of signals, said signals being transferred to the body side output transmission circuit without processing and being processed to obtain each kind of signals at the user side.